

IN THE CLAIMS:

1. (Withdrawn) A method comprising:
receiving or creating a search query;
determining a relevant article associated with the search query; and
determining a ranking score for the relevant article based at least in part on client-side behavior data associated with the relevant article.
2. (Withdrawn) The method of claim 1, wherein the client-side client behavior data for the article is received by a ranking processor and wherein the ranking score for the relevant article based at least in part on client-side behavior data associated with the article is determined by the ranking processor.
3. (Withdrawn) The method of claim 1, further comprising arranging the article based upon the ranking score.
- 4-24. (Canceled).
25. (Currently Amended) A method comprising:
determining client-side behavior data associated with an article;
providing the client-side behavior data associated with the article to a ranking processor in a client device;

calculating, by the ranking processor, a predetermined client behavior score for the article based at least in part on the client-side behavior data associated with the article;

storing the predetermined client behavior score in a data store, wherein the data store associates the predetermined client behavior score with the article;

receiving a search query;

determining that the article is associated with the search query;

receiving from the data store the predetermined client behavior score associated with the article;

arranging the article in a search result of the search query based at least in part on the predetermined client behavior score associated with the relevant article; and

displaying at least a part of the search result to a user.

26. (Canceled)

27. (Withdrawn) A method comprising:

determining a query-independent score for an article based at least in part on client-side behavior data associated with the article;

receiving a search query;

determining a relevant article associated with the query; and

determining a ranking score based at least in part on the query-independent score.

28. (Withdrawn) The method of claim 27 further comprising processing the article in an order determined by the query-independent score.

29. (Withdrawn) A method comprising:

identifying an article;

determining client-side behavior data for the article;

determining a score for the article based at least in part on client-side behavior data
associated with the article; and

causing a display of the score.

30. (Withdrawn) A computer readable medium containing program code comprising:

program code for receiving or creating a search query;

program code for determining a relevant article associated with the search query; and

program code for determining a ranking score for the relevant article based at least in
part on client-side behavior data associated with the relevant article.

31. (Withdrawn) The computer readable medium of claim 30, wherein the client-side
client behavior data for the article is received by a ranking processor and wherein the ranking
score for the relevant article based at least in part on client-side behavior data associated with the
article is determined by the ranking processor.

32. (Withdrawn) The computer readable medium of claim 30, further comprising
arranging the article based upon the ranking score.

33-53. (Canceled).

54. (Currently Amended) A computer readable medium containing program code
comprising:

program code for determining client-side behavior data associated with an article;
program code for providing the client-side behavior data associated with the article to
a ranking processor in a client device;
program code for calculating, by the ranking processor, a predetermined client
behavior score for the article based at least in part on the client-side behavior
data associated with the article;
program code for storing the predetermined client behavior score in a data store,
wherein the data store associates the predetermined client behavior score with
the article;
program code for receiving a search query;
program code for determining that the article is associated with the search query;
program code for receiving from the data store the predetermined client behavior
score associated with the article;
program code for arranging the article in a search result of the search query based at
least in part on the predetermined client behavior score associated with the
relevant article; and
program code for displaying at least a part of the search result to a user.

55. (Cancelled)

56. (Withdrawn) A computer readable medium containing program code comprising:
program code for determining a query-independent score for an article based at least
in part on client-side behavior data associated with the article;
program code for receiving a search query;

program code for determining a relevant article associated with the query; and
program code for determining a ranking score based at least in part on the
query-independent score.

57. (Withdrawn) The computer readable medium of claim 56 further comprising
program code for processing the article in an order determined by the query-independent score.

58. (Withdrawn) A computer readable medium containing program code comprising:
program code for identifying an article;
program code for determining client-side behavior data for the article; program code
for determining a score for the article based at least in part on client-side
behavior data associated with the article; and
program code for causing a display of the score.

59. (Withdrawn) A system comprising:

- a) a processor for executing computer readable program instructions capable of
improving a search ranking using article information;
- b) a memory for storing the computer readable program instructions capable of
improving a search ranking using article information;
- c) a client application for allowing client behavior activity;
- d) a client article capable of receiving the client behavior activity;
- e) a query processor for receiving a search query;
- f) a monitoring engine for determining client behavior data associated with client
behavior activity received by the article;

- g) a search engine for returning articles associated with the search query in a ranking order based at least in part on the client behavior data; and
 - h) a data store for storing client behavior data associated with the client article.
60. (Withdrawn) The system 59 wherein the search engine comprises:
- a) an article locator for determining articles associated with the search query;
 - b) a client behavior data processor for determining client behavior data associated with the articles associated with the search query; and
 - c) a ranking processor for providing a ranking score based at least in part on the client behavior data associated with the articles associated with the search query.
61. (Withdrawn) A method comprising:
- a) providing a client behavior data database;
 - b) receiving a search query;
 - c) determining a set of articles relevant to the search query;
 - d) determining a first article in the set of articles relevant to the search query;
 - e) determining client behavior data in the database associated with the first article;
 - f) providing client behavior data associated with the first article to a ranking processor;
 - g) determining a ranking score for the first article based at least in part on the client behavior data associated with the first article;
 - h) arranging the first article based on the ranking score; and
 - i) displaying relevant articles.

62. (Previously Presented) The method of claim 25, wherein the search query is an explicit search query.

63. (Previously Presented) The method of claim 25, wherein the search query is an implicit search query.

64. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises scrolling activity data.

65. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises printing data.

66. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises book marking data.

67. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises use of computer program application data.

68. (Previously Presented) The method of claim 67, wherein the use of computer program application data is used in connection with additional client-side behavior data.

69. (Previously Presented) The method of claim 68, wherein the additional client-side behavior data comprises idleness data.

70. (Previously Presented) The method of claim 68, wherein the additional client-side behavior data comprises use of computer program applications data.

71. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises frequency of article access data.

72. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises time of access data.

73. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises time of access relative to the access of other associated articles data.

74. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises forwarding data.

75. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises copying data.

76. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises replying data.

77. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises mouse movement data.

78. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises user interactions with a separate article data.

79. (Previously Presented) The method of claim 25, wherein the client-side behavior data associated with the article comprises location data.

80. (Previously Presented) The method of claim 25, further comprising determining a combined score based at least in part on client-side behavior data for multiple users.

81. (Previously Presented) The method of claim 25, further comprising determining a combined score from a plurality of types of client-side behavior data.

82. (Previously Presented) The method of claim 81, wherein creating a combined score from a plurality of types of client-side behavior data comprises using different weights for different types of behavior data or for client-side behavior data associated with different applications.

83. (Previously Presented) The computer readable medium of claim 54, wherein the search query is an explicit search query.

84. (Previously Presented) The computer readable medium of claim 54, wherein the search query is an implicit search query.

85. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises scrolling activity data.

86. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises printing data.

87. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises book marking data.

88. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises use of computer program application data.

89. (Previously Presented) The computer readable medium of claim 88, wherein the use of computer program application data is used in connection with additional client-side behavior data.

90. (Previously Presented) The computer readable medium of claim 89, wherein the additional client-side behavior data comprises idleness data.

91. (Previously Presented) The computer readable medium of claim 89, wherein the additional client-side behavior data comprises use of computer program applications data.

92. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises frequency of article access data.

93. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises time of access data.

94. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises time of access relative to the access of other associated articles data.

95. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises forwarding data.

96. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises copying data.

97. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises replying data.

98. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises mouse movement data.

99. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises user interactions with a separate article data.

100. (Previously Presented) The computer readable medium of claim 54, wherein the client-side behavior data associated with the article comprises location data.

101. (Previously Presented) The computer readable medium of claim 54, further comprising program code for determining a combined score based at least in part on client-side behavior data for multiple users.

102. (Previously Presented) The computer readable medium of claim 54, further comprising program code for determining a combined score from a plurality of types of client-side behavior data.

103. (Previously Presented) The computer readable medium of claim 102, wherein creating a combined score from a plurality of types of client-side behavior data comprises using different weights for different types of behavior data or for client-side behavior data associated with different applications.

104. (Currently Amended) A method to order a set of articles, comprising:

determining client-side behavior data associated with an article;

providing the client-side behavior data associated with the article to a ranking

processor in a client device;

calculating, by the ranking processor, a predetermined client behavior score for the article based at least in part on the client-side behavior data associated with the article;

storing the predetermined client behavior score in a data store, wherein the data store associates the predetermined client behavior score with the article;

determining a set of relevant articles relevant to a query signal, the set of relevant articles including the article;

receiving from the data store the predetermined client behavior score associated with the article;

arranging the set of relevant articles in an order based at least in part on the predetermined client behavior score associated with the article; and

displaying at least a part of the set of relevant articles to a user in the order.

105. (Currently Amended) A method to order search results on a client device, comprising:

determining client-side behavior data associated with an article stored in the [[a]]
client device;
providing the client-side behavior data associated with the article to a ranking
processor in the client device;
calculating, by the ranking processor, a predetermined client behavior score for the
article based at least in part on the client-side behavior data associated with
the article;
storing the predetermined client behavior score in a data store in the client device,
wherein the data store associates the predetermined client behavior score with
the article;
receiving a search query;
determining that the article is associated with the search query;
receiving from the data store the predetermined client behavior score associated with
the article;
arranging the article in a search result of the search query in an order based at least in
part on the predetermined client behavior score associated with the article; and
displaying at least a part of the search result to a user in the order.

106. (New) The method of claim 104, wherein the client-side behavior data comprises
correspondence action data.

107. (New) The method of claim 104, wherein the client-side behavior data comprises
article history action data.

108. (New) The method of claim 104, wherein the client-side behavior data comprises reference action data.

109. (New) The method of claim 104, wherein the client-side behavior data comprises association action data.

110. (New) The method of claim 25, wherein the client-side behavior data comprises correspondence action data.

111. (New) The computer readable medium of claim 54, wherein the client-side behavior data comprises correspondence action data.

112. (New) The method of claim 105, wherein the client-side behavior data comprises correspondence action data.